6477392



FIG. 1  PRIOR ART

1

180

50    40    60

160    170

140

80

90

TIMING
CONTROL

110

ELECTRONICS
&
PROCESSOR

100

RAM

EPROM

BATTERY
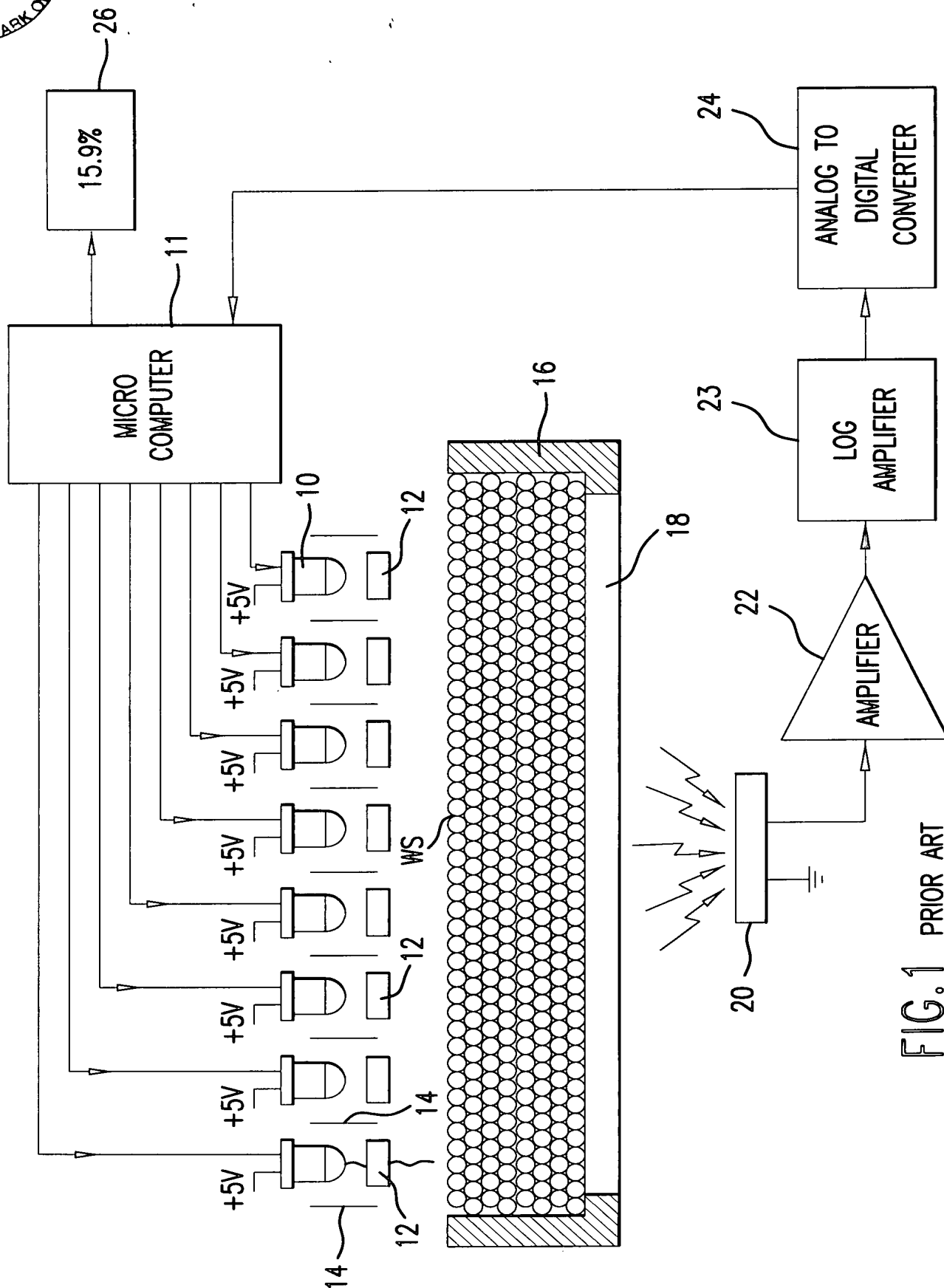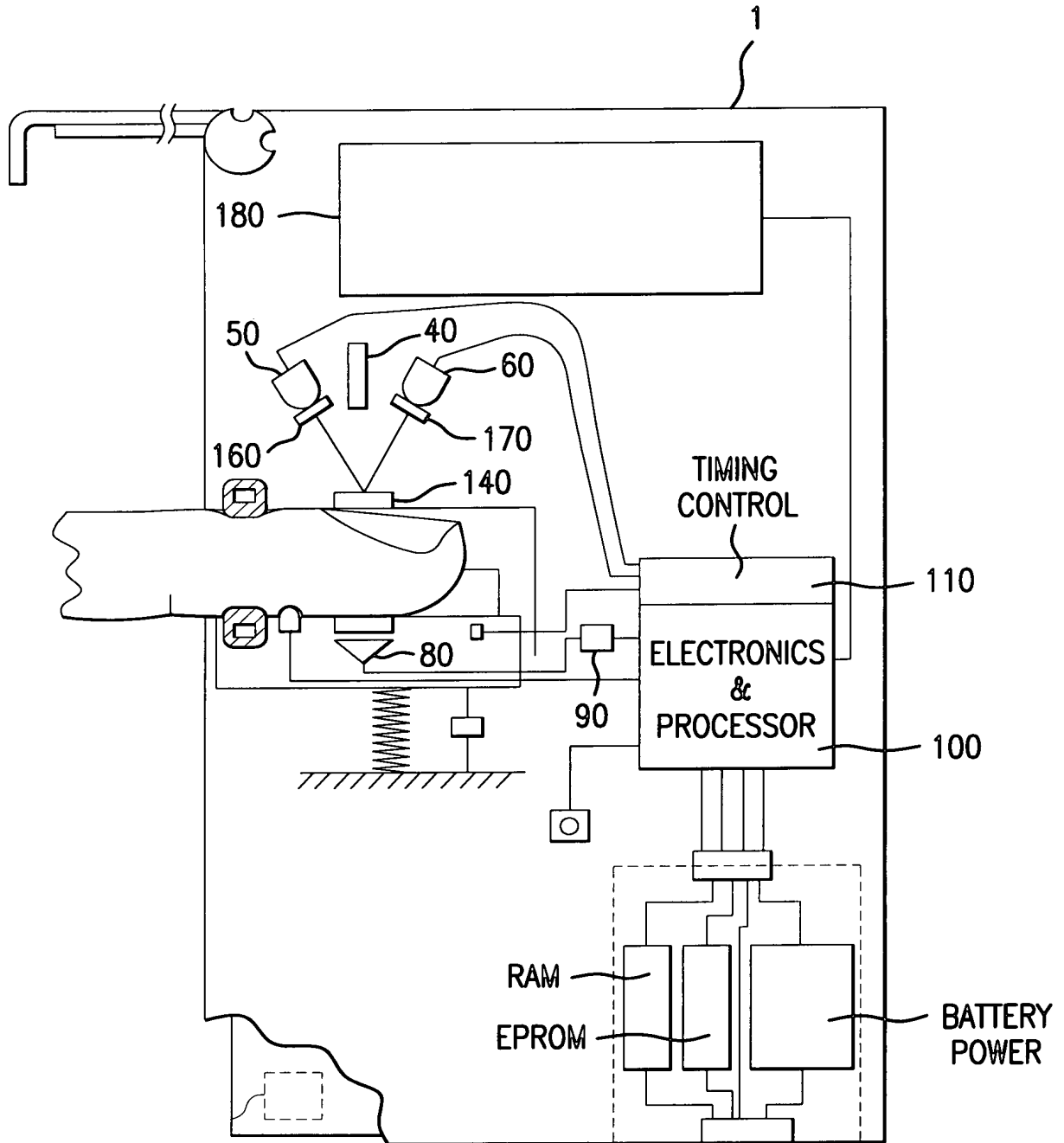POWER

FIG. 2  (PRIOR ART)

FIG. 3

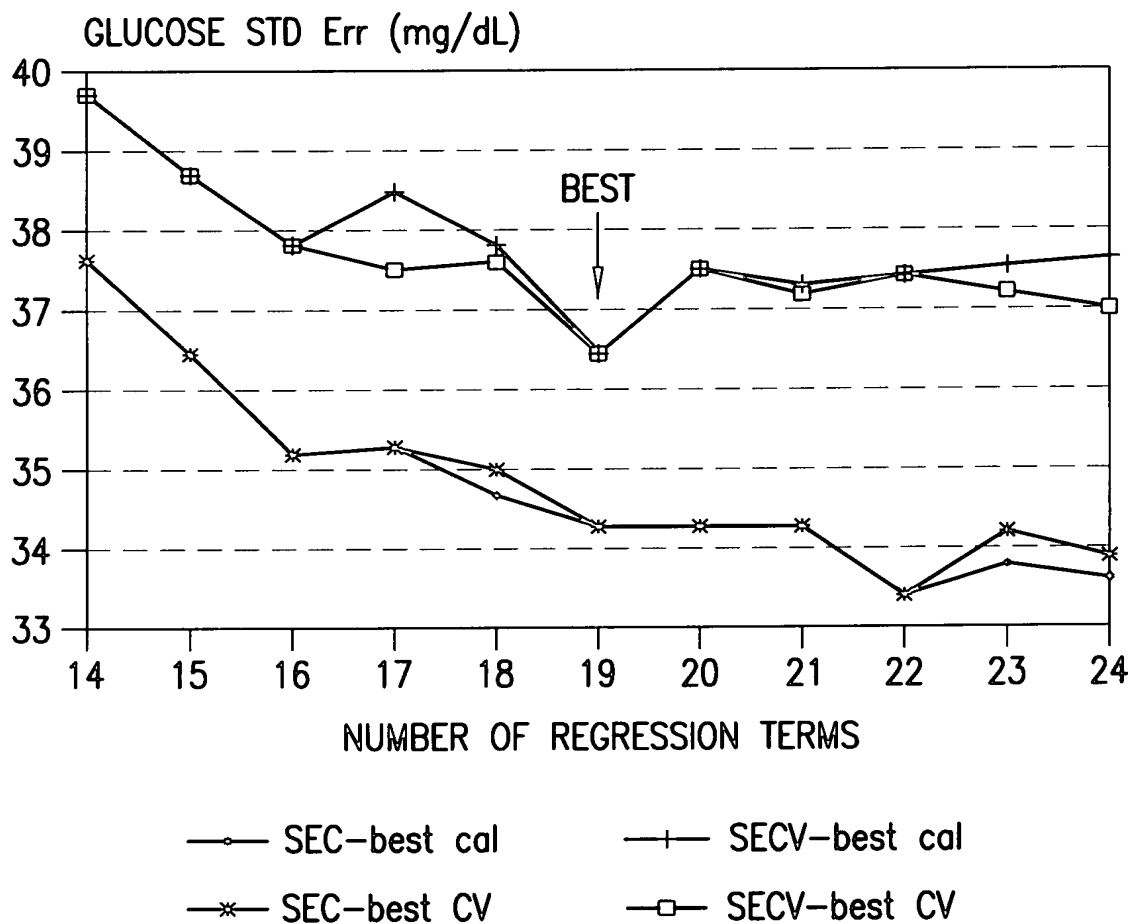DIFFERENT METHODS OF CALIBRATION
FILE=030AMCG.ALL; 169 SAMPLES
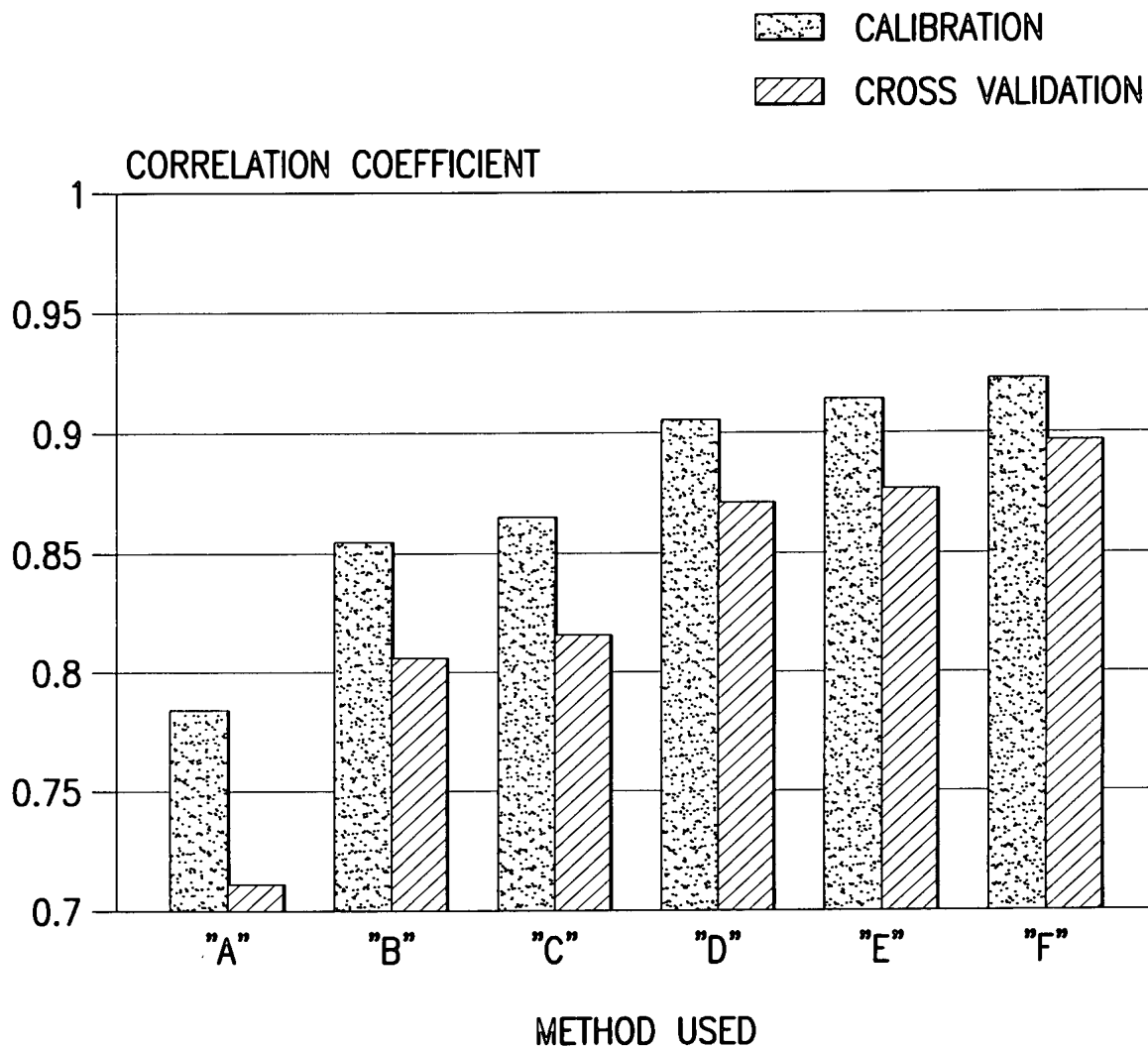


FIG. 4

## SEC VS. SECV
## USING THE 10 BEST CALIBRATIONS
## USING 1ST, 2ND, AND 3RD ORDER TERMS



GLUCOSE STD Err (mg/dL)

BEST

NUMBER OF REGRESSION TERMS

—∘— SEC−best cal          —+— SECV−best cal
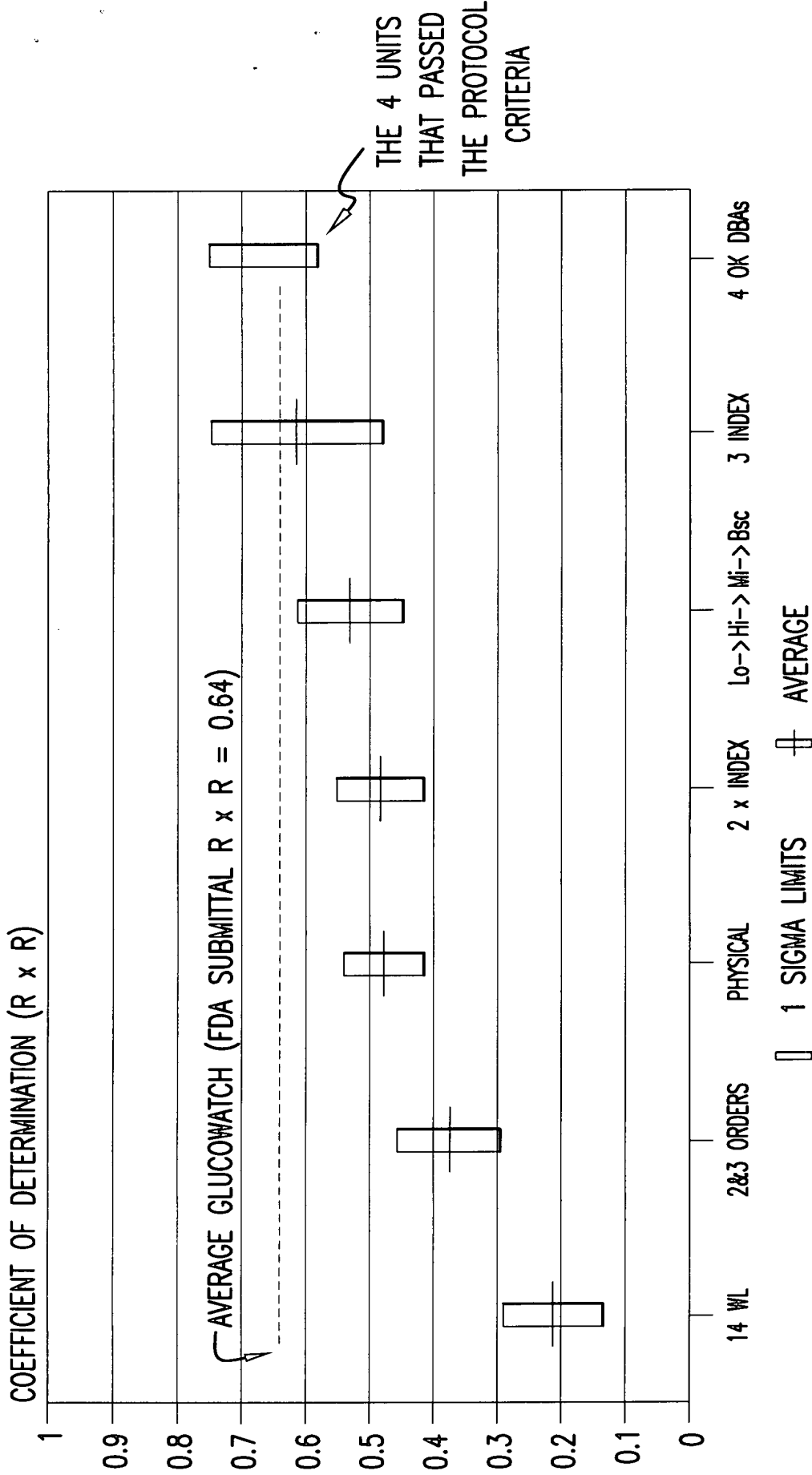
—*— SEC−best CV          —□— SECV−best CV

J120 USING CAL FILE 039amcg.all. USED
MONTE CARLO WITH 1,000,000 RANDOM WL
REGRESSIONS. (ANALYSIS DONE 9/99)

FIG.5

DIFFERENT CALIBRATION APPROACHES
USING SIX DBAs CHOSEN AT RANDOM

FIG. 6

FOR UNITS 1002, 1012, 1020, 1021, 3013
AND 3015. 20 VARIABLES WERE USED FOR ALL
ANALYSES EXCEPT FOR THE 14WL. FILE: J400